

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	95	(320/158).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/06 14:49
S2	4	((("6433517") or ("5714866"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/06 16:30
S3	23	(320/144).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/06 16:31
S4	132	(320/153).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/06 16:31
S8	924	((320/143,150,151,156,161) or (324/430/431)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/09 10:47

S9	18	("20020140405"   "4659977"   "5157320"   "5339018"   "5430363"   "5623197"   "5710507"   "5872453"   "5978719"   "6150793"   "6202615"   "6232748"   "6252377"   "6363315"   "6481406"   "6563288"   "6630810"   "6647939").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 09:20
S10	4	("5038728"   "5347966"   "5721688"   "5898282").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:23
S11	8500	((charger or charging) same (battery or accumulator or storage)) and temperature and ((first or one) with voltage) and ((second or two) with voltage) and (compar\$4 or different\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:30
S12	6531	S11 and (storage or storing or memory or ROM or RAM)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:29
S13	4674	S12 and ((compar\$4 or different\$4) with voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:40
S14	1789	S13 and (micro\$1processor or CPU or (central\$1processing \$1unit))	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:33
S15	1217	S13 and cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:32
S16	1965	S13 and (cool\$3 or ((reduc\$4 or lower\$3) with temperature))	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:41
S17	802	S16 and (micro\$1processor or CPU or (central\$1processing \$1unit))	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:41
S18	328	S17 and (nickel\$1metal\$1hydride or nickel\$1cadmium or lead\$1acid or lithium\$1ion or Ni\$1MH or Ni\$1Cd or Pb \$1acid or Li\$1ion)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:31
S19	5052	S12 and ((compar\$4 or different\$4 or difference) with voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:40
S20	2145	S19 and (cool\$3 or ((reduc\$4 or lower\$3) with temperature))	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:41
S21	854	S20 and (micro\$1processor or CPU or (central\$1processing \$1unit))	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:41

S22	342	S21 and (nickel\$1metal\$1hydride or nickel\$1cadmium or lead\$1acid or lithium\$1ion or Ni\$1MH or Ni\$1Cd or Pb \$1acid or Li\$1ion)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:42
S23	275	S22 and (apply\$3 or charge) and ((complet\$3 or finish\$3 or stop\$4 or end\$3 or terminat\$3) same charg\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:46
S24	159	S23 and cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 10:48
S25	1148	((320/143,150,151,156,161,158,144,153) or (324/430/431)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/09 10:48
S26	14	S24 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/09 10:48
S27	2	("5049804").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/09 15:56
S28	4755	cool\$3 with (battery or accumulator) with (fan or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/11 16:57
S29	3133	S28 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/11 16:58

S30	1894	S29 and (charg\$3 or voltage) and (fan or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/11 16:58
S31	205	S30 and ("320"/\$.ccls. or "324"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/11 16:59
S32	110	S31 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/11 17:03
S33	21	S32 and charger and (process\$3 or method or micro \$1processor) and (memory or ROM or RAM or storage \$medium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/11 17:04
S34	1182	((320/143,150,151,156,161,158,144,153) or (324/430/431)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/09 20:29
S35	36	S34 and @pd>="20060101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/09 20:30
S36	9001	((charger or charging) same (battery or accumulator or storage)) and temperature and ((first or one) with voltage) and ((second or two) with voltage) and (compar \$4 or different\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:31
S37	6948	S36 and (storage or storing or memory or ROM or RAM)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:31

S38	5376	S37 and ((compar\$4 or different\$4 or difference) with voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:31
S39	2286	S38 and (cool\$3 or ((reduc\$4 or lower\$3) with temperature))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:31
S40	928	S39 and (micro\$1processor or CPU or (central\$1processing \$1unit))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:31
S41	373	S40 and (nickel\$1metal\$1hydride or nickel\$1cadmium or lead\$1acid or lithium\$1ion or Ni\$1MH or Ni\$1Cd or Pb \$1acid or Li\$1ion)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:31
S42	302	S41 and (apply\$3 or charge) and ((complet\$3 or finish\$3 or stop\$4 or end\$3 or terminat\$3) same charg\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:31
S43	29	S42 and @pd>="20060101"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:36
S44	5035	cool\$3 with (battery or accumulator) with (fan or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/09 20:36
S45	3347	S44 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/09 20:36
S46	2035	S45 and (charg\$3 or voltage) and (fan or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/09 20:36
S47	129	S46 and @pd>="20060101"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/09 20:36

S48	1116	((maintain\$3 with temperature) same battery) same charg\$3) and (charg\$3 with (control\$3 or regulat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/10 22:13
S49	96	(320/158).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/10 22:13
S50	4	((("6433517") or ("5714866"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/10 22:13
S51	24	(320/144).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/10 22:13
S52	134	(320/153).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/10 22:13
S53	979	((320/143,150,151,156,161) or (324/430/431)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/10 22:13
S54	9414	((charger or charging) same (battery or accumulator or storage)) and temperature and ((first or one) with voltage) and ((second or two) with voltage) and (compar \$4 or different\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 22:13
S55	7275	S54 and (storage or storing or memory or ROM or RAM)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 22:13

S56	5215	S55 and ((compar\$4 or different\$4) with voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 22:13
S57	2061	S56 and (micro\$1processor or CPU or (central\$1processing \$1unit))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 22:13
S58	5285	cool\$3 with (battery or accumulator) with (fan or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/10 22:13
S59	3539	S58 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/10 22:13
S60	2159	S59 and (charg\$3 or voltage) and (fan or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/10 22:13
S61	240	S60 and ("320"/\$.ccls. or "324"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/10 22:13
S62	247	S48 and (S49 or S50 or S51 or S52 or S53 or S57 or S61)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/10 22:26
S63	38	(battery AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3) same ((threshold or limit or certain or specific) with temperature))) .clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:32
S64	1	("4424476").PN. OR ("6707273").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:22

S65	5285	cool\$3 with (battery or accumulator) with (fan or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/11 09:26
S66	3539	S65 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/11 09:26
S67	2159	S66 and (charg\$3 or voltage) and (fan or coolant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/11 09:26
S68	240	S67 and ("320"/\$.ccls. or "324"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/11 09:26
S69	110	S68 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/11 09:26
S70	0	S69 and @pd>="20060705"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:28
S71	1206	((320/143,150,151,156,161,158,144,153) or (324/430/431)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/11 09:28



S72	60	S71 and @pd>="20060101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/11 09:28
S73	25	S72 and @pd>="20060705"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S74	9414	((charger or charging) same (battery or accumulator or storage)) and temperature and ((first or one) with voltage) and ((second or two) with voltage) and (compar\$4 or different\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S75	7275	S74 and (storage or storing or memory or ROM or RAM)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S76	5635	S75 and ((compar\$4 or different\$4 or difference) with voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S77	2402	S76 and (cool\$3 or ((reduc\$4 or lower\$3) with temperature))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S78	986	S77 and (micro\$1processor or CPU or (central\$1processing \$1unit))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S79	394	S78 and (nickel\$1metal\$1hydride or nickel\$1cadmium or lead\$1acid or lithium\$1ion or Ni\$1MH or Ni\$1Cd or Pb \$1acid or Li\$1ion)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S80	321	S79 and (apply\$3 or charge) and ((complet\$3 or finish\$3 or stop\$4 or end\$3 or terminat\$3) same charg\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S81	48	S80 and @pd>="20060101"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:29
S82	20	S81 and @pd>="20060705"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:31
S83	72	(battery AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) same ((threshold or limit or certain or specific or value) with temperature))) .clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:34

S84	29	((battery or cell or storage) AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) same ((threshold or limit or certain or specific or value) same temperature))).clm.	US-PGPUB	OR	ON	2006/12/11 09:36
S85	111	((battery or cell or storage) AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) same temperature)).clm.	US-PGPUB	OR	ON	2006/12/11 09:37
S86	404	((battery or cell or storage) AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) same temperature)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:37
S87	360	((battery or cell or storage) AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) with temperature)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 09:37
S88	2	("6016047").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/09 10:53
S89	33	("320"/\$.cls. or "324"/\$.cls.) and ((initial or start or begin) with (charg\$3 or appl\$4) with current with (high or large or 5A or 6A or 7A or 8A or 9A or 10A) same (warm or heat))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/23 16:54
S90	29	("5627451"   "5642031"   "5909101"   "5912546"   "5945803"   "6008628"   "6018231"   "6075347"   "6124698"   "6133713"   "6154007"   "6154008"   "6160389"   "6172487"   "6175211"   "6191560"   "6204640"   "6204641"   "6225786"   "6229280"   "6275009"   "6278261"   "RE37226").PN. OR ("6433517").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/23 17:09
S91	30	("3917990"   "5363031"   "5489836"   "5493199"   "5497068"   "5519303"   "5550453"   "5563496"   "5583871"   "5652500"   "5659239"   "5668461"   "5686808"   "5717313"   "5739973"   "5767659"   "5825159"   "5886527"   "5912547"   "6011379"   "6075347").PN. OR ("6204641").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/23 17:09

S92	24	("5352968"   "5363031"   "5691078"   "5874825").PN. OR ("6124698").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/23 17:11
S93	25	(US-20010017531-\$ or US-20020140405-\$ or US-20020175659-\$).did. or (US-5714866-\$ or US-6433517-\$ or US-6016047-\$ or US-6218812-\$ or US-5889385-\$ or US-5767659-\$ or US-5656920-\$ or US-5103156-\$ or US-6150793-\$ or US-6489752-\$ or US-6188202-\$ or US-5339018-\$ or US-6271643-\$ or US-5049804-\$ or US-6363315-\$ or US-6707273-\$ or US-4424476-\$ or US-6124698-\$ or US-7106027-\$ or US-6075347-\$ or US-6791299-\$).did. or (US-3517293-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/04 22:03
S94	12	S93 and (("10" or "15" or "20") near3 (amps or "A" or amperes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/04 22:06
S95	10	S93 and (("10" or "15" or "20") near2 (amps or "A" or amperes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/04 22:06
S96	7	S93 and (("10" or "15" or "20") near1 (amps or "A" or amperes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/04 22:06
S97	0	S93 and (((("10" or "15" or "20") near1 (amps or "A" or amperes)) with (initial\$2 or start\$3 or begin\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/04 23:03
S98	469	((("10" or "15" or "20") near1 (amps or "A" or amperes)) with (initial\$2 or start\$3 or begin\$4)) and charg\$3 and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/04 23:05

S99	87	S98 and ("320"/\$.ccls. or "324"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/04 23:06
S100	55	S99 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/04 23:07

**EAST Search History (Interference)**

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**9/13/2009 3:26:15 PM**

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